



Ground mounted/ Electrical interlock Power unit range



Ground mounted Power unit



The Power Unit is used for power supply



Ground mounted / Electrical interlock Power unit

INTRODUCTION

The Cavotec Power Units are designed for fast and easy use in harsh conditions over many years with minimal downtime or service requirements. Only high quality components are used and equipped with a Cavotec Push & Pull socket that allows quick connect and disconnect of the plug by operating the Push & Pull handle. The external handle on the cabinet door provides mechanical interlocking that protects against accidentally touching or disconnecting a live socket. It also protects against power surges that that can cause damage to valuable equipment placed upstream and downstream of the Power Unit.

The Power Unit is used for power supply applications in tough environments such as an electrified RTG's runs in port and terminals where the need of information and protection is vital.

PRODUCT FEATURES

- Protection class for connected plug and socket, or plug or socket with cover closed: IP56
- Standard ambient temperature: -25°C to +70°C (-13°F to + 158°F)
- Socket with integrated cover operated by the push & pull arms
- Socket housing material: Marine grade aluminium ISO 3522
- Push & Pull arm material: Bronze ISO 1338:1977
- All contacts using Cavotec MWT system
- Separate cable terminals allowing fast and easy exchange of contacts
- Cable terminals for crimping with hexagonal crimping tool only
- Contacts and cable terminal material: silver plated brass
- Standard insulator material: injection molded PPO
- All hardware in stainless steel
- High quality gaskets and sealings with a minimum life span of 10 years
- External handle on the cabinet door to operate the mechanical interlock
- Connection to terminal ground on mounting plate
- Label with serial number placed by socket
- Ground mounted
- IP 56
- Available in 4 configurations: 400V, 1kV, 7,2kV and 12kV
- Cabinet material: 2mm or 3mm stainless acid proof steel

400V

Nr of Pins (P&E-Pilot)	Nr of Sockets	MCCB Size/ Internal cabling	Max Amp	400V Female Socket
4+2	1	400A/120mm ²	400	PC5-AX04-1274
4+2	2 Left side	400A/120mm ²	400	PC5-AX04-155314
4+2	2 Right side	400A/120mm ²	400	PC5-AX04-15534
4+2	2	400A/120mm ²	400	PC5-AX04-15524
4+2	4	400A/95mm ²	400	PC5-AX04-09944
4+2	1	800A/240mm ²	630	PC6-AX04-24421

1kV

Nr of Pins (P&E-Pilot)	Nr of Sockets	MCCB Size/ Internal cabling	Max Amp	1000V Female Socket
4+2	1	400A/120mm ²	400	PC5-AX04-1275
4+2	2 Left side	400A/120mm ²	400	PC5-AX04-15531
4+2	2 Right side	400A/120mm ²	400	PC5-AX04-1553
4+2	2	400A/120mm ²	400	PC5-AX04-1552
4+2	4	400A/95mm ²	400	PC5-AX04-09954
4+2	1	630A/240mm ²	630	PC6-AX04-3076

7,2kV

Nr of Pins (P&E-Pilot)	Nr of Sockets	Load Breaker Size/ Internal cabling	Max Amp	7200V Female socket
4+2	1	630A/50mm ²	200	PC5-AX04-K0555
4+2	2	630A/70mm ²	250	PC5-AX04-K0201/M6
4+2	3	630A/70mm ²	250	PC5-AX04-K0301/M6

12kV

Nr of Pins (P&E-Pilot)	Nr of Sockets	MCCB Size/ Internal cabling	Max Amp	12000V Female socket
4+2	1	630A/50mm ²	200	PC5-AX04-K0555
4+2	2	630A/70mm ²	250	PC5-AX04-K0201/M6
4+2	3	630A/70mm ²	250	PC5-AX04-K0301/M6

OPTIONAL FEATURES

- Self regulating heating cable
- Control lamps in red, green, yellow or blue to indicate power on, power off, MCCB trip or other events
- Pressure valve and handle protection for mine blasts
- IP 66 with special rotary handle
- Fiber optics available
 - Integrated 4 and 8 channels
 - External 4, 6, 8, 12 and 24 channels



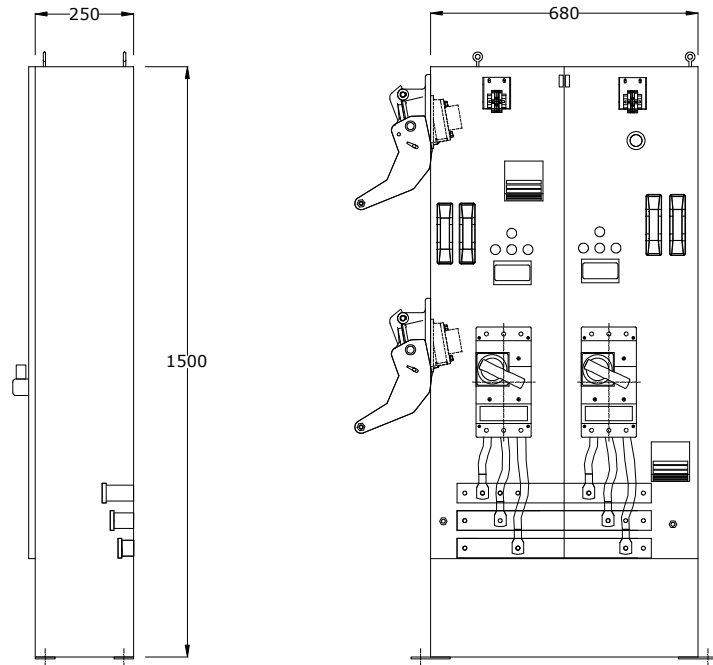
For further information please visit www.cavotec.com/connectors

Disclaimer: specifications are subject to change without notice

2 sockets left side

- 1000V
- 400A
- 2 x 4pin socket, 2 pilots
- Emergency stop
- Micro switch for door
- Earth terminal
- Green power on indicator
- Red power off indicator
- Yellow trip indicator
- Buzzer
- Lifting rings
- Vermin ventilation

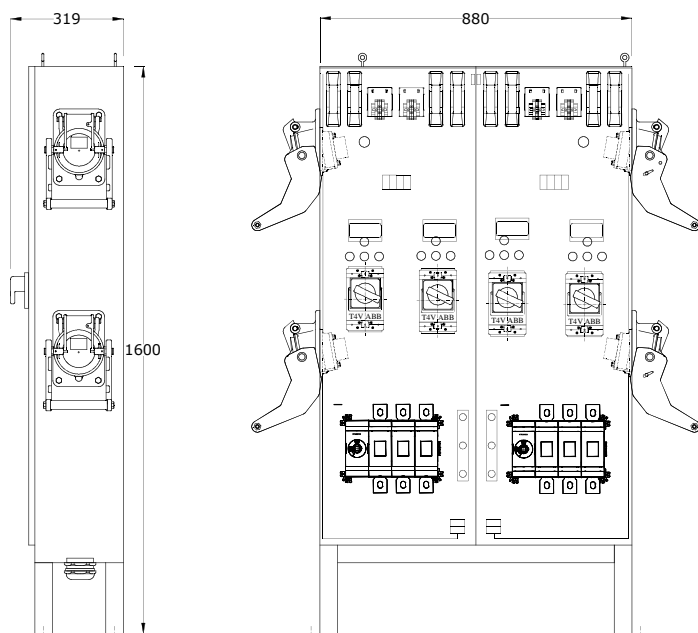
Article number: PC5-AX04-15531
 Please contact your local Cavotec Sales representative for more information



4 sockets

- 1000V
- 400A
- 4 x 4pin socket, 2 pilots
- Emergency stop
- Micro switch for door
- Earth terminal
- Green power on indicator
- Red power off indicator
- Yellow trip indicator
- Buzzer
- Lifting rings

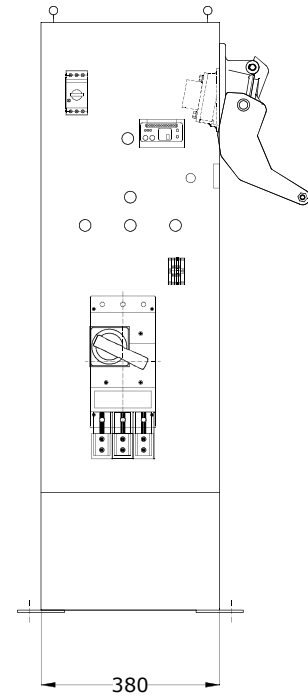
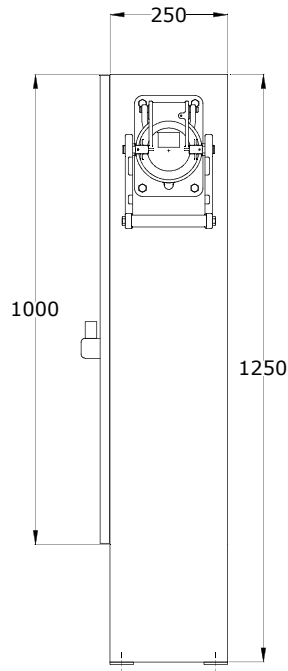
Article number: PC5-AX04-09954
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1 socket right

- 440V
- 400A
- 4pin socket, 2 pilots
- Emergency stop
- Micro switch for door
- Earth terminal
- Green power on indicator
- Red power off indicator
- Yellow trip indicator
- Buzzer
- Lifting rings

Article number: PC5-AX04-1274
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POWER CONNECTORS PRODUCT RANGE

Size	Connection type	Model name	Keying position	Accessories	Certifications	1-pole	3-pole	4-pole			5-pole	8-pole	13-pole	18-pole	25-pole	24, 30 & 37-pole	50-pole				
PC1	Screw Ring	S1	12								40A 690V 4mm ²	20A 415V 2,5mm ²	10A 230V 1,5mm ²	10A 230V 1,5mm ²							
	Screw Ring	S1	2, 4, 6, 8, 10, 12		ATEX & IECEx 						30A 690V 4mm ²	20A* 415V* 2,5mm ²	10A* 230V* 1,5mm ²	10A* 230V* 1,5mm ²							
PC2	Push&Pull	X2	2, 3, 4, 5, 6, 7, 8, 9, 10, 12 Insulator keying: 1-11	Low interlocking (PC2-VL) Wall bracket Screw terminals		660A 690V 300mm ²	250A 690V 70mm ²	200A 690V 50mm ²			200A 415V 50mm ²			40A 500V 4mm ²	40A 50V 4mm ²						
	Bayonet	B2	Double keying 1-11 55 options		ATEX & IECEx 	660A 690V 300mm ²	250A 690V 70mm ²	200A 690V 50mm ²			200A 415V 50mm ²			40A 500V 4mm ²	40A 50V 4mm ²						
PC3	Eye Bolt	K3						170A 1,1kV 50mm ²													
PC4	Push&Pull	X4	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	External FO 6ch Screw terminals				250A 1,1kV 70mm ²			200A 1,1kV 70mm ²					40A 500V 4mm ²					
	Screw Ring	S4	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	Short bell				250A 1,1kV 70mm ²			200A 1,1kV 70mm ²										
	Eye Bolt	K4						250A 1,1kV 70mm ²													
PC5	Push&Pull	X5	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	External FO 12ch Internal FO 8ch Screw terminals Kirk Key interlock Wall bracket				420A 1,1kV 185mm ² Internal fiber optic	350A 7,2kV 150mm ² 								40A 500V 4mm ²				
	Screw Ring	S5	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	Internal FO 8ch Screw terminals				420A 1,1kV 185mm ² Internal fiber optic	350A 7,2kV 150mm ²		350A 1,1kV 185mm ²										
PC6	Push&Pull	X6	6.12	External FO 18ch Internal FO 12ch Screw terminals Kirk Key interlock Wall bracket				660A 1,1kV 300mm ² Internal fiber optic	480A 7,2kV 240mm ² Internal fiber optic	500A 12kV 185mm ²	480A 1,1kV 300mm ²										
	Screw Ring	S6	6.12					660A 1,1kV 300mm ²			660A 1,1kV 300mm ²										
PC7	Eye Bolt	K7						400A 8kV 185mm ²													
PC8	Eye Bolt	K8						440A 15kV 120mm ²													
PC9	Eye Bolt	K9						440A 25kV 150mm ²													

*Available Q2 2015